

## Product datasheet for **MG205931**

### Cers2 (NM\_029789) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cers2 (NM_029789) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cers2
Synonyms:	0610013I17Rik; AI225939; Lass2; TRH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205931 representing NM_029789 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCAGACCTTGATGACTACTTCTGGTGGGAACGACTATGGCTGCCTGTGAACTTAACCTGGGCTG  
ATCTAGAAGACAAAGATGGACGTGTCTATGCCAAAGCCTCAGATCTACATCACACTCCCCCTGGCCCT  
GCTCTTCTCGTCATTCGATACTCTTTGAGCTTTATGTGGCAACACCCCTGGCTGCCCTCTGAATGTT  
AAGGAGAAAACCCGACTGCGGGCACCTCCAATGCCACCTTGGAACTTCTACCAGACCAGCGGAAGC  
AGCCCAAGCAGGTGGAGGTAGACCTTTTGTACGGCAGAGTGGGCTCTCTGGACGCCAGGTAGAAGCTG  
GTTCCGCCCGCCGCAACCAGGACAGGCCAGTCTTCTCAAAAAGTTCGAGAAGCCAGCTGGAGATTC  
ACGTATTACCTAATTGCCTTTGTTGCTGGCATGGCTGTCACTGTGGATAAACCCCTGGTTCTATGACTTAA  
GGAAAGTTTGGGAGGGATATCCCATACAGAGCATCATCCCTTCTCAGTATTGGTACTACATGATTGAACT  
TTCCTTCTACTGGTCCCTGCTCTTCAGCATTGCCTCTGATGTCAAGCGAAAGGATTTTAAGGAACAGATC  
ATCCACCATGTGGCCACTATCATTCTCCTCTGCTTCTCCTGGTTTGCCAATTACGTCCGGGCAGGGACCC  
TCATCATGGCTCTGCATGACGCTTCTGACTACCTGCTGGAGTCTGCCAAGATGTTAACTACGCGGGATG  
GAAGAACACCTGCAACAACCTCTTCATTGTGTTTCGCCATCGTTTTTCATCATCACTCGGCTGGTTATCATG  
CCTTTCTGGATCCTACACTGCAGATGATATACCCACTGGAGCTTACCCTGCCTCTTTGGCTATTATT  
TCTTCAATTTTATGATGGCAGTGTCTACAGATGCTCCATATCTTCTGGGCCTACTTCATTCTGCGTATGGC  
CCACAAGTTCATAACTGGAAGCTGATAGAAGATGAACGAGTGCAGAGAAGAAACAGAGAGTTACAGAG  
GGGGAGGAGACTGCAGCTGGGGCAGGAGCAAAGAGCCGGCTCCTAGCTAATGGCCACCCCATCTCAATA  
ACAATCATCCTAAGAATGAC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205931 representing NM\_029789  
 Red=Cloning site Green=Tags(s)

MLQTLYDYFWWERLWLPVNLTWADLEDKDGRVYAKASDLYITLPLALLFLVIRYFFELYVATPLAALLNV  
 KEKTRLRAPPNATLEHFYQTSKGQPKQVEVDLLSRQSLSGRQVERWFRRRRNQDRPSLLKKFREASWRF  
 TYYLIAFVAGMAVTVDKPFYDLRKKVWEGYPIQSIIPSYQYWYMIELSFYWSLLFSIASDVKKRDFKEQI  
 IHHVATIILLCFSWFANYVRAGTLIMALHDASDYLLESAKMFNYAGWKNTCNNLFIVFAIVFIITRLVIM  
 PFWILHCTMIYPLELYPAFFGYFFNFMAVLQMLHIFWAYFILRMAHKFITGKLIEDERSDREETESSE  
 GEETAAGAGAKSRLLANGHPILNNHPKND

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029789

**ORF Size:** 1140 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_029789.2](#)

**RefSeq Size:** 2048 bp

**RefSeq ORF:** 1143 bp

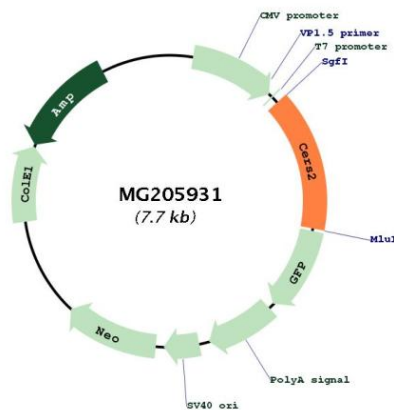
**Locus ID:** 76893

**UniProt ID:** [Q92474](#)

**Cytogenetics:** 3 F2.1

**Gene Summary:** Suppresses the growth of cancer cells. May be involved in sphingolipid synthesis (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG205931